

GMASOLAR introduces the new generation of solar modules. Providing more power by utilizing high efficiency solar cells. Their outstanding performance on energy yield helps our customers to maximize returns on investment specially on grid tie applications.

GMASOLAR Reliability. All our solar modules are manufacture according to UL and IEC standards. Each module goes to a strict quality verification on through an EL testing process The EL tester works like a X-ray scanner that immediately exposes every possible hidden defect in the solar panel. This way you get a crystal clear picture of the good operation of the solar panel.

GMASOLAR Flexibility. Our solar modules are designed to offer worry free used in the harshest climates. For example, the strong and robust 45mm frame allows installation in multiple configurations, making an easy, safe and faster installation in harshest climates. The water drain holes prevent frame breakage due to freezing temperatures.







GMA60-M Series GMA230, GMA240, GMA245, GMA250, GMA260



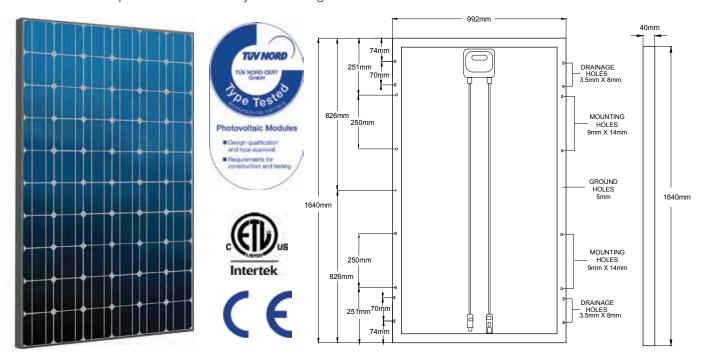
ELECTRICAL DATA						
Mechanical Data	GMA 230M-60	GMA 240M-60	GMA 245M-60	GMA 250M-60	GMA 260M-60	
Nominal Peak Power (Wp)	230W	240W	245W	250W	260W	
Nominal Voltage (Vmp)	29.9V	30.1V	30.3V	30.5V	30.9V	
Nominal Current (Imp)	7.69A	7.97A	8.08A	8.20A	8.41A	
Open Circuit Voltage (Voc)	37.2V	37.4V	37.5V	37.6V	37.8V	
Short Circuit Current (Isc)	8.24A	8.60A	8.66A	8.87A	9.17A	
Module Efficiency (%)	14.0	14.6	14.9	15.3	15.9	
Operating Temperature degC	-40 to +85					
Maximum System Voltage	600 VDC (UL) 1000 VDC (IEC)					

STC: 1000 W/m2 , 25°C, AM= 1.5

TEMPERATURE COEFFICIENTS		MECHANICAL DATA	
NOCT	45+/-2	Solar Cell	60 Monocrystalline 156mm x 156 mm
Voltage Temperature Coefficient (Voc)	-0.36%	Front Glass	3.2 Tempered
Current Temperature Coefficient (Isc)	+0.033%	Junction Box	Certified Junction Box
Power Temperature Coefficient (Pmpp)	+0.44%	Output Cables	1000 mm length with connectors
Minimum Power Tolerance	-0/+5%	Frame	Anodized Aluminum
NOCT: Nominal Operating Cell Temperature -40°C to + 95°		Weight	20kg
		Dimensions	1640mm x 992 x 40 mm

WARRANTY & CERTIFICATIONS

Warranty12 Year Workmanship, 12 Year 90%, 25 Year 80% Power WarrantyCertificationsUL 1730, IEC 61215, IEC 61730, CE, cETLusNote: The specifications are subject to change without notice



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